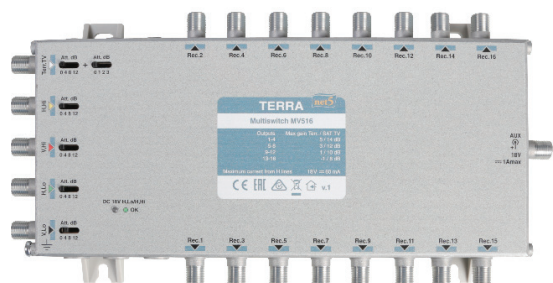


5 cable system

Remotely powered multiswitches



CTMV512
5x12 multiswitch



CTMV516
5x16 multiswitch

CTMV512
CTMV516

- For large installations of SAT IF distribution systems
- In-line powering through H lines
- All components of 5 cable distribution system are compatible to each other
- Length of the subscriber line up to 80 meters
- Four positions discrete gain regulator for each SAT IF line and separate 16 positions discrete gain regulator for terrestrial TV
- Optimized for operation with terrestrial digital/analog signals
- Active terrestrial TV path powering from central power supply allows to receive terrestrial TV programs without switching on SAT TV receiver
- LED indication of 18 V line powering
- Possibility to feed LNBs and network equipment from external +18 V power supply unit: recommended power supply - PS182F
- Die-cast housing

Technical specifications

| T Y P E | | | CTMV512 | CTMV516 |
|--|--------------|--------------------|---------------------|---------------------|
| Number of outputs | | | 12 | 16 |
| Frequency range | SAT IF | | 950-2400 MHz | |
| | Terr. TV | | 47-862 MHz | |
| Gain (fixed slope pre-correction) | SAT IF | outputs 1-4 | 5 — 14 dB | |
| | | outputs 5-8 | 4 — 12 dB | |
| | | outputs 9-12 | 3 — 10 dB | |
| | | outputs 13-16 | | 2 — 8 dB |
| | Terr. TV | outputs 1-4 | -1 — 5 dB | |
| | | outputs 5-8 | -2 — 3 dB | |
| | | outputs 9-12 | -3 — 1 dB | |
| | | outputs 13-16 | | -4 — 1 dB |
| Gain adjustment | SAT IF | 12 dB by 4 dB step | | |
| | Terr. TV | 15 dB by 1 dB step | | |
| Output level for SAT IF (IMD3=35 dB)* | | | 105 dB μ V | |
| Output level for Terr. TV (IMD3=60 dB)* | | outputs 1-4 | 88 dB μ V | 88 dB μ V |
| | | outputs 5-8 | 86 dB μ V | 86 dB μ V |
| | | outputs 9-12 | 84 dB μ V | 84 dB μ V |
| | | outputs 13-16 | - | 82 dB μ V |
| SAT inputs decoupling | | | \geq 30 dB | |
| Outputs decoupling | SAT IF | \geq 30 dB | | |
| | Terr. TV | \geq 35 dB | | |
| Rejection | Terr. TV/SAT | \geq 30 dB | | |
| | SAT/Terr. TV | \geq 40 dB | | |
| Current consumption from receiver | | | < 65 mA | |
| Current consumption from inputs H lines or from external power supply | | | +18 V 60 mA | |
| Control signals | | | 14/18 V, 0/22 kHz | |
| Operating temperature range | | | -20° — 50° C | |
| Dimensions/Weight (packed) | | | 227x135x30 mm/0.7kg | 267x135x30 mm/0.9kg |

* 2 equal carriers

